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6-15-04
Lisa M. Davis
Clifford Chance US LLP

Docket No. 5677-215

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Alan P. Kozikowski et al.

Filed: February 20, 2004 Group Art Unit: TBA

Serial No: 10/783,801 Examiner: TBA

For: SYNTHESIS OF 4 α -ARYLEPICATECHINS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In order to comply with 37 CFR 1.97 and 1.98, attached hereto is a copy of Form PTO-1449 and copies of the documents listed thereon with the exception of the United States Patents.

Applicants respectfully request the Examiner's consideration of the cited reference and entry into the record of this application and that it be cited of record in the prosecution history of the present application by initialing Form PTO-1449 next to the document. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

The present Information Disclosure Statement is being submitted in compliance with 37 CFR 1.56, but the citation of such document is not to be construed as an admission that such document is necessarily relevant or prior art. No representation is intended that the cited documents represent the results of a complete search, and it is anticipated that the Examiner, in the normal course of examination, will make an independent search and will determine the best prior art consistent with 37 CFR 1.104 and, in the course of each search, will review for relevance every document cited on the attached form even if not initialed.

The present Information Disclosure Statement has been submitted prior to the receipt of an Office Action in this application. Accordingly, no fee is due. However, in the event that a first Office Action was mailed on or before the date of submission of this disclosure statement, the Commissioner is hereby authorized to charge any fees to deposit Account No. 50-0521.

Date:

June 15, 2004

Respectfully submitted,

Margaret B. Kelley

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Serial No. 10/783,801
	Inventors: Alan P. Kozikowski et al.
	Docket No. 5677-215

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,554,645	9-10-96	Romanczyk, Jr. et al.	514	453	
		6,207,842	3-27-01	Romanczyk, Jr. et al.	549	399	
		6,420,972	7-16-02	Loose	340	545.1	
		6,156,912	12-5-00	Tückmantel et al.	549	399	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
	1518003	1-30-69	Germany	
	0039 844	11-18-81	EP	
	WO 99/19319	4-22-99	WO	
	EP 1 026 164 A1	8/9/00	EPO	

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Kawamoto et al., "Synthesis of Condensed Tannin Derivatives Regiospecifically Linked through a Single Interflavanoid-Linkage and Their Protein-Precipitating Capacities", <i>Mokuzai Gakkaishi</i> , 1991 37(8), p 741-747
		Ferreira et al., "Diversity of Structure and Function in Oligomeric Flavanoids", <i>Tetrahedron Report No. 308</i> , 1992, 48(10), p. 1743-1803
		Pierre et al., "Deuterium Labeled Procyanidin Syntheses", <i>Tetrahedron Letters</i> , 1997, 38(32), p. 5639-5642
		Kiehlmann, et al., "Iodination and deuteration of catechin derivatives", <i>Can. J. Chem.</i> , 1988, 66, p. 2431-2439
		Botha et al., "Synthesis of Condensed Tannins. Part 5. The First Angular [4,6:4,8]-Triflavanoids and Their Natural Counterparts", <i>Journal of the Chemical Society</i> , 1982, 527-533
		Foo, et al., "Condensed Tannins: Synthesis of the First 'Branched' Procyanidin Trimer", <i>J. Chem., Soc., Chem. Commun.</i> , 1984, 85-86
		Weinges et al., "Synthese des Octamethyl-diacetyl-procyanidins B3", <i>Chem. Ber.</i> , 1970, 103, 2344-2344
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		Keogh et al., "A new synthesis of flavans", <i>Chem. Ind.</i> , 1961, 3398
		Kim et al., "(-)-Epicatechin Content in Fermented and Unfermented Cocoa Beans", <i>Journal of Food Science</i> ", 1984, 49(4), 1090-1092
		Balas et al., "2D NMR Structure Elucidation of Proanthocyanidins: the Special Case of the Catechin-(4 α -8)-catechin-(4 α -8)-catechin Trimer", <i>Magnetic Resonance in Chemistry</i> , 1995, 33, N2, p. 85-94
		Saito, Akiko et al., "Synthetic Studies of Proanthocyanidins. Highly Stereoselective Synthesis of the Catechin Dimer, Procyanidin-B3", <i>Biosci. Biotechnol. Biochem.</i> , 66(8), 1764-1767, 2002
		Kozikowski, et al., "Studies in Polyphenol Chemistry and Bioactivity", <i>J. Org. Chem.</i> 2001, 66, 1287-1296
		Tückmantel "Studies in Polyphenol Chemistry and Bioactivity", <i>J. Am. Chem. Soc.</i> 1999, 121, 12073-12081
		Kozikowski et al. "Studies in Polyphenol Chemistry and Bioactivity", <i>J. Org. Chem.</i> 2000, 66, 5371-5381
		Delcour, J. et al., "Direct Synthesis of the Barley Proanthocyanidins Prodelphinidin B3, Prodelphinidin 2 and Two Trimeric Proanthocyanidins with a Mixed Prodelphinidin-Procyanidin Stereochemistry", <i>J. Inst. Brew.</i> , 1986, vol. 92, pp. 244-249
		Ishimaru et al., <i>Phytochemistry</i> , 1987, Vol. 26, No. 4, pgs. 1160-70

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO-1449 [6-4]

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CHANGE OF CORRESPONDENCE ADDRESS

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Please note that the undersigned is the Attorney of record.

Respectfully submitted,

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